

Tingey, Christopher

From: Tingey, Christopher
Sent: Friday, February 19, 2016 1:35 PM
To: Rosalind Karlin
Subject: RE: NBU #6-W23 Well Schematic

Rosalind,

Thanks for sending this. I still have some questions about the construction. If a liner was set at 2985' and cemented, then the open hole would not be from 2954 to 3001, but 2985 to 3001. If that is the case the packer is not set properly. It needs to be within 75 feet of the uppermost injection perforation or top of open hole. Also, according to my calculations, 50 sacks of reg cement w/2% bentonite would not be enough to cement the liner from 2985' to surface. Was the bottom of the liner perforated starting at 2954'? Is there any more evidence of the liner being cemented to the surface?

Christopher Tingey
Environmental Scientist
U.S. EPA, Region 6 (6WQ-SG)
1445 Ross Avenue
Dallas, TX 75202
214-665-8364

From: Rosalind Karlin [mailto:rosalind.karlin@chaparralenergy.com]
Sent: Wednesday, February 17, 2016 5:46 PM
To: Tingey, Christopher
Subject: NBU #6-W23 Well Schematic

Chris,

Thank you for waiting on this one, I have been out of office in the field and such. I've had the chance to look back over cementing records and have updated this schematic to correct it. I hope for all future permits we will have less hands on the documents and better communication before they go out, to avoid changes/errors like these.

Let me know if you need anything else.

Thanks!

Rosalind Karlin
Regulatory Specialist - EOR
O: 405.426.6690 / F: 405.425.3790
Rosalind.Karlin@chaparralenergy.com

Tingey, Christopher

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Sent: Wednesday, February 17, 2016 5:46 PM
To: Tingey, Christopher
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Attachments: Well Schematic.pdf

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Thanks!

Rosalind Karlin
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